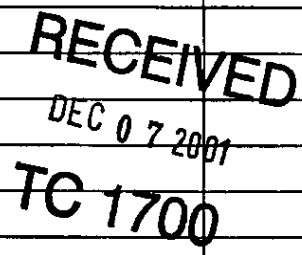
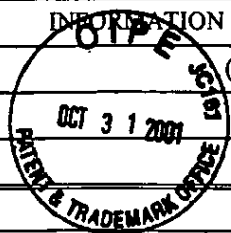


U.S. Department of Commerce, Patent and Trademark Office				Atty Docket No.		Serial No.		
				M-9289 US		09/766,742		
INFORMATION DISCLOSURE STATEMENT BY APPLICANT				Applicants				
(Use several sheets if necessary)				Angad Singh and Shahzi S. Iqbal				
				Filing Date		Group		
				January 22, 2001		2871743		
U.S. Patent Documents								
*Examiner Initial		Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate	
<i>J</i>	AA	5,948,684	Sep. 7, 1999	Weigl et al.				
<i>J</i>	AB	6,048,734	Apr. 11, 2000	Burns et al.				
<i>J</i>	AC	6,109,717	Aug. 29, 2000	Kane et al.				
	AD							
	AE							
	AF							
	AG							
	AH							
	AI							
Foreign Patent Documents								
							Translation	
		Document	Date	Country	Class	Subclass	Yes	No
	AJ							
	AK							
	AL							
OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)								
<i>Q</i>	AM	PCT Search Report for International Application No. PCT/US02/02005 filed 22 January 2002.						
	AN	<div style="text-align: center;"> RECEIVED FAX RECEIVED NOV 14 2002 TC 1700 GROUP 1700 </div> <div style="text-align: right;"> RECEIVED NOV 07 2002 TC 1700 </div>						
	AO							
	AP							
Examiner	<i>J. S.</i>		Date Considered <i>6-12-04</i>					
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U.S. Patent Documents								
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Dr	AA	6,109,889	08/29/2000	Zengerle et al.	417	413.2		
	AB							
	AC							
	AD							
	AE							
	AF							
	AG							
	AH							
	AI							
	AJ							
	AK							
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	AL							
	AM							
	AN							
	AO							
	AP							
OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)								
Dr	AQ	Stehr, M. et al., "A New Micropump with Bioirectional Fluid Transport and SelfBlocking Effect", Proceedings of the 1996 IEEE Workshop on Microelectromechanical Systems (MEMS 96), San Diego, CA, pp. 485-490.						
Sp	AR	Iqbal, S.S. et al., "A Review of Molecular Recognition Technologies for Detection of Biological Threat Agents", Biosensors and Bioelectronics, 15 (ELSEVIER 2000), pp. 549-578.						
Sp	AS	Anderson R.C. et al., "Genetic Analysis Systems: Improvements and Methods", Solid-State Sensor and Actuator Workshop, Hilton Head Island, South Carolina, June 8-11, 1998.						
Examiner		Date Considered 6-12-04						
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	AL							
	AM							
	AN							
	AO							
	AP							
OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)								
	AQ	Woolley, Adam et al., "Functional Integration of PCR Amplification and Capillary Electrophoresis in a Microfabricated DNA Analysis Device", Analytical Chemistry, 1996,68, 4081-4086.						
	AR	Lagorce, Laure K. et al., "Magnetic Microactuators Based on Polymer Magnets", IEEE Journal of Microelectromechanical Systems, Vol. 8, No. 1, March 1999.						
	AS	Stehr, M. et al., "The Selfpriming VAMP", Transducers '97, International Conference on Solid-State Sensors and Actuators (1997).						
Examiner		Date Considered 6-12-04						
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	AA							
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	AL							
	AM							
	AN							
	AO							
	AP							
OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)								
	AQ	Forster, Fred K. et al., "Design, Fabrication and Testing of Fixed-Valve Micro-Pumps", FED-Vol. 234, IMECE, Proceedings of the ASME Fluids Engineering Division, ASME 1995, pp. 39-44.						
	AR	Jang, Ling-Sheng et al., "Transport of Particle-Laden Fluids Through Fixed-Valve Micropumps", ASME International Mechanical Engineering Congress & Exposition, November 14-19, 1999.						
	AS	Gerlach, Torsten, "Pumping Gases by a Silicon Micro Pump with Dynamic Passive Valves", International Conference on Solid-State Sensors and Actuators, Chicago, June 16-19, 1997.						
Examiner		Date Considered						
		6-12-04						
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	AM						
	AN						
	AO						
	AP						
OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)							
<i>JS</i>	AQ	Evans, John D. et al., "The "Spring Valve" Mechanical Check Valve for In-Plane Fluid Control", Berkeley Sensor & Actuator Center, 497 Cory Hall, University of California, Berkeley.					
<i>JS</i>	AR	Becker, Holger et al., "Polymer High Aspect Ratio Structures Fabricated with Hot Embossing", Jenoptik Mikrotechnik, Jena, Germany.					
<i>JS</i>	AS	Alsson, Anders, "Valve-Less Diffuser Pumps for Liquids", Instrumentation Laboratory Department of Signals, Sensors and Systems Royal Institute of Technology, Stockholm, Sweden 1996.					
Examiner <i>JS</i>		Date Considered 6-12-04					
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